



Instructions for the Water Type Modification Form

The Water Type Modification Form and a Water Type Map are used to propose changes to Washington State Department of Natural Resources (DNR) GIS mapping system hydrography layers (streams and lakes). You may use (1) map for multiple changes to the hydrography layers; however, you must submit a separate Water Type Modification Form for each change. If you show multiple changes on the map – please label each change referring to the accompanying form. Please use permanent ink. The proponent will be notified when a decision has been made.

Check all that apply

- [] **Adding streams/lakes.** Check this box to add streams or lakes to the map
- Complete the entire form if you are also proposing a Water Type (S, F, Np, Ns) for this stream or lake
 - Complete Blocks 1, 4, 5, 8, 9 and the Proponent's information (marked with an * on the form) if you are only showing the location of the water (not the type)
 - Show the location on the Water Type Map or on a map that meets the Alternate Map Standards
- [] **Removing streams/lakes.** Check this box if streams or lakes show on the map, but do not exist
- Complete Blocks 1, 4, 5, 8, 9, and the Proponent's information (all marked with an * on the form)
 - Show the location on the Water Type Map or on a map that meets the Alternate Map Standards
- [] **Changing location of streams/lakes.** Check this box if streams or lakes are in the wrong location on the map
- Complete the entire form if you are proposing a Water Type for this stream or lake
 - Complete Blocks 1, 4, 5, 8, 9, the proponent's information (all marked with an * on the form) if you are only changing the location of water (not proposing a new water type).
 - Show the location on the Water Type Map or on a map that meets the Alternate Map Standards
- [] **Changing water type based on physicals.** Check this box if you are using physical characteristics as described in WAC 222-16-031. Complete the entire form and show the location on the Water Type Map or on a map that meets the Alternate Map Standards.
NOTE: Changes based on physical characteristics can only be accepted for changes to streams from Non-Fish (N) to Fish (F).
- [] **Changing water type based on protocol survey** Check this box if you are using information from a protocol survey as described in WAC 222-16-031. Complete the entire form and show the location on the Water Type Map or map that meets the Alternate Map Standards.
NOTE: A protocol survey is required for changes from Fish to Non-Fish.
- [] **Other. Describe _____** Check this box and briefly describe if you are:
- verifying N streams with a protocol survey, or
 - identifying the Np/Ns break, or
 - identifying a water feature that does not meet a WAC 222-16-031 definition. Water features may include pipelines, actively maintained irrigation ditches, or seasonal streams not physically connected by an above ground channel system to type S, F, or Np waters.
- Complete the entire form and show the location on the Water Type Map or map that meets the Alternate Map Standards.

- Block 1.** Label each stream, stream segment, lake or pond with a letter on the map(s) with a letter that corresponds to the same letter on the modification form.
- Block 2.** If stream's name is unknown, leave blank
- Block 3.** Name of the water the stream flows into. If unknown, leave blank.
- Block 4.** Legal description of stream segments that you are proposing to change. Describe to the nearest ¼¼ section. (Example: NE¼ NE¼ Section 8, Township 12 North, Range 5 West, W.M.)
- Block 5.** County (ies) in which the stream or stream segment is located.
- Block 6.** Water type shown on the Forest Practices Water Type map. (See WAC 222-16-031)
- Block 7.** Proposed water type - Use S, F, Np or Ns (See WAC 222-16-031). If you are not proposing a water type, or if water feature does not meet WAC 222-16-031 definition, enter "n/a" (not applicable).
- Block 8** Date of field visit or protocol survey
- Block 9** Changes can be proposed at any time. If you have an existing approved application/notification please write in the number(s). If the water modification form is submitted with an FPA/N, the DNR will fill in the FPA number on this form.
- Block 10** Check each box that applies. Indicate in the block the following information for any box checked: (attach additional sheets as necessary)
- Description of inspection methods (Visual observation, random measurements, plots, electro-fishing, etc.)
 - List the species of fish observed (if applicable)
 - Describe the start and end points of the protocol survey (also show on map)
- NOTE:** See WAC 222-16-031, *Forest Practices Board Manual Sections 2 and 13*
- If you check **"Fish found"** also include the following:
- Describe the location of uppermost point of fish sighting
 - Indicate the average bankfull width and depth
 - Indicate the stream gradient
 - Indicate the month of fish sighting
 - Indicate the name/organization of person who observed the fish if other than the surveyor
 - Attach protocol survey documentation/notes (if conducted)
 - Attach a list of forest landowners that would be affected by the change. Include name, address and email of forest landowners downstream that have property adjacent to the stream segments that are being changed. *This list is encouraged, but is not required.*
- If you check **"No fish found"** also include the following:
- Attach protocol survey data sheet (**this is required for changes from fish to non-fish**)
 - Describe the length and location of surveyed segments
 - Indicate the number of pools sampled
 - Attach a list of forest landowners that would be affected by the change. Include name, address and email of forest landowners downstream that have property adjacent to the stream segments that are being changed. *This list is encouraged, but is not required.*
- If you check **"Physical characteristics"**, also include:
- Describe the length of stream segment measured
 - Indicate the number of measurements used to calculate average
 - Indicate the stream gradient, average bankfull width and depth
- NOTE:** *Physical characteristics can only be used for changes from non-fish to fish (N to F). See WAC 222-16-031(6)(f) and Forest Practices Board Manual 2*

If you check **“Public water diversion,”** (more than 10 camp units, public accommodation facility licensed to serve more than 10 people) also include:

- Attach a copy of Department of Ecology water right or indicate the DOE reference number
- Indicate the distance downstream from survey segment to the diversion
- Show the location of diversion on the Water Type Map or on a map that meets the Alternate Map Standards

If you check **“Fish hatchery diversion,”** also include:

- Indicate the hatchery name (this includes state, tribal, federal, and private)
- Indicate the distance downstream from survey segment to the hatchery diversion
- Show the hatchery diversion location on the Water Type Map or on a map that meets the Alternate Map Standards

“Stream exists, but does not meet WAC 222-16-031 definition.” Check this box only if there is a surface water feature that does not meet a WAC 222-16-031 definition. Water features may include pipelines, actively maintained irrigation ditches, or seasonal streams not physically connected by an above ground channel system to type S, F, or Np waters. If you check this box also:

- Indicate how you arrived at this conclusion. For example, "seasonal stream not connected by surface channel to S, F or N water."
- In Block 7, Proposed Water Type enter "n/a" (not applicable).
- Show the location on the Water Type Map or on a map that meets the Alternate Map Standards

Block 11 Using the box provided, describe the methods used to determine if the water levels were Above Normal, Normal or Below Normal. Include the following:

- If stream flows were affected by drought conditions
 - If drought conditions influenced fish distribution
 - If drought conditions did affect fish distribution, explain why the change proposal is still appropriate
 - If above normal conditions influenced fish distribution
- Attach additional sheets if necessary.

Block 12 Using the box provided, explain how the location of the water type break was determined and describe what it looks like on the ground. Attach additional sheets if needed.

Block 13 Check the type of any fish passage barrier and show location on the Water Type Map or on a map that meets the Alternate Map Standards. Indicate N/A on the block if you are not aware of barriers downstream.

Block 14 Is there evidence of mass wasting or scouring from debris flows, flood events, etc. If so, using the box provided describe, how the stream changed. Such as more/less gravel, more/less sediment, more/less sand bars, the direction of the stream changed, stream flow changed, more/less pools, more/less woody debris. Attach additional sheets if necessary.

Water Type Modification Form Map Instructions

Water Type Maps are available from the Washington State Department of Natural Resources (DNR) FPARS website via the Internet at <http://www.dnr.wa.gov/forestpractices> or any DNR region office. Applicants need to know the section, township, and range (legal description) in order to download or request a map. Please contact the county assessor if you need help determining your legal description.

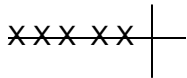
You may print these maps in color or black and white. Color maps are preferred. Use a medium point black or blue pen. Blue ink is easier to read on a black and white map; black ink is easier to read on a color map. Use the following legend to indicate information.

DNR will accept DNR's Water Type Maps or company generated GIS maps (see next page for alternate map standards).

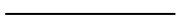
Use the following legend to indicate information on your map.

Legend

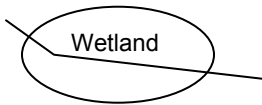
NOTE: If you choose different symbols, include your own legend



Incorrect stream location or removing a stream. *Mark clearly the point on the stream where the change occurs.*



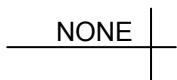
New stream



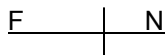
New water body (please indicate lake or wetland) *Include the location of a defined channel within a wetland if one exists.*



Proposed water type (Block 7 on form) (S, F, Np, Ns). *Use one (1) letter per stream segment*



Water feature that has no type. Use this for adding water without a water type or for a surface water feature that does not meet a WAC 222-16-031 definition. *Mark clearly the point on the feature where the change occurs.*



Break between water types within the same segment (S, F, Np, Ns)



The start and end points of the entire surveyed reach



Natural fish passage barriers

Water Type Modification Form Alternate Map Standards

If you choose to use a map, other than DNR Water Type Map, it must meet the following standards:

Scale: 1 inch to 1,000 feet (same scale as the Water Type Maps)

Color: Color maps will be accepted if they can be read when copied in black and white or if additional copies are provided. *Contact the region office to find out how many copies are needed.*

- Lettering: Black ink is preferred on color maps. Blue ink is preferred on black and white maps.
- Lines: Do not use pencil or light colors.

Features: Maps must show the following features. *If you have altered DNR's feature layers on your GIS system, you will need to use a DNR Water Type Map or obtain current DNR GIS layers (1 - 4 below) from <http://fortress.wa.gov/dnr/app1/dataweb/dmmatrix.html>.*

1. Current DNR hydrography layers: water courses (WC) and water bodies (WBWS)
2. DNR geographic registration tic marks. Minimum of 4 tic marks required.
3. Section, township and range lines and numbers
4. DNR transportation layers
5. Contours (maximum 40 ft. interval) generated from 10 meter DEM
6. North arrow (not available from DNR)

Paper Size: 8 ½ " x 11" (letter), 8 ½" x 14" (legal) or 11" x 17" (tabloid). *Contact the Forest Practices Division's Hydrography Data Steward at (360) 902-1400 if you want to submit larger size maps.*

Paper Type: Use matte finish paper. DO NOT use glossy finishes, mylar, plastic, film, or tracing paper

Edges: Straight edges with square corners

Margins: At least ¼" on all sides